

performanceplastics

Elatollan 1195A55 - Polyether Type

PROPERTIES

Physical

	Standard	Unit	1195A55
Specific Gravity	ASTM D-792	g/cm ³	1.14
Hardness	ASTM D-2240	Shore A	95A

Mechanical Properties

Tensile Strength (Ultimate)	ASTM D-412	MPa	36
Tensile Stress	ASTM D-412	@100% Elong MPa	12
Tensile Stress	ASTM D-412	@300% Elong MPa	21
Elongation at Break	ASTM D-412	%	490
Tensile Set at Break	ASTM D-412	%	65
Compression Set 22hrs @ 23°C	ASTM D-395 (B)	%	30
Compression Set 22hrs @ 70°C	ASTM D-395 (B)	%	45
E-Modulus	ASTM D-412	MPa	51.7
Flexural Modulus	ASTM D-790	MPa	65.5
Tear Strength	ASTM D-624, Die C	N/mm	140
Taber Abrasion Resistance / mg loss 1000gr./H-18	ASTM D-1044	mg	55

Thermal Properties

Vicat Softening Point	ASTM D-1525	°C	127
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Processing Conditions Inj. Moulding

205 - 220°C

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Performance Plastics Ltd

Tel. 01425 403543

Website: www.performance-plastics.co.uk